

BPA's Energy Web

Distributed Generation Workshop

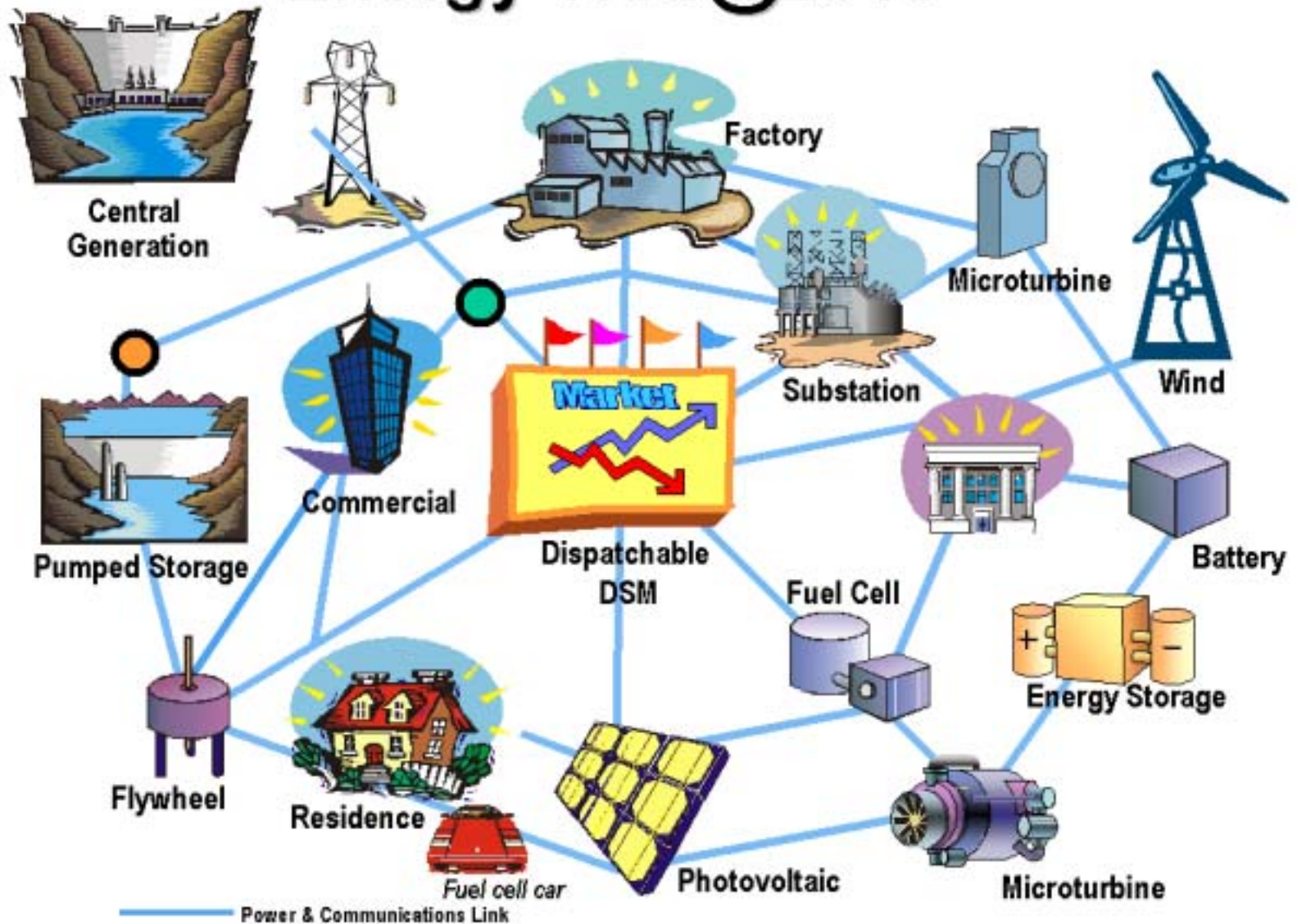
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**Energy Web Vision
and Implementation Strategy
for 2002 and Beyond**

Energy Web Definition:

- **Integrate utility electrical system, telecommunications system, and energy market**
- **Optimize loads on the electrical network**
- **Reduce costs to consumers and utilities**
- **Facilitate integration of renewable resources**
- **Increase electrical system reliability**
- **Reduce environmental impacts of load growth.**

Energy Web@2010



What is the Energy Web?

A concept to integrate a diversified mix of resources:

- **Located near the consumer**
- **Environmentally sound**
- **Aggregated by third party or local utility**
- **Bundled utilities or energy services -- i.e., electricity, gas, Internet, broadband**

Energy Web Vision

- **Assess how emerging technologies/strategies can benefit our customers**
- **Prioritize opportunities**
- **Promote research, demonstrations, and projects to reduce barriers to Energy Web implementation**

BPA is the natural leader for Energy Web Activities . . .

Customers/end-users are not positioned to undertake the investment and planning required of the Energy Web vision BPA should . . .

- **Spread the Energy Web vision across the region**
- **Seek customer/organization buy in**
- **Prioritize strategies and technologies**
- **Seek financial partners**
- **Expand from regional to national and international participation**
- **Periodically review and revise Energy Web**

Implementing the Vision

BPA will implement the vision by . . .

- **Coordinating PBL and TBL activities to maximize BPA's investment**
- **Applying Energy Web selection criteria and cost/benefit ratios to prioritize investment**
- **Developing individual program plans**
- **Pursuing opportunities to leverage BPA's investment**
- **Participating in regional, national, and international forums to publicize Energy Web experiences**